



# COLORADO

## Office of Emergency Preparedness & Response

Department of Public Health & Environment

Print date 1/7/2015

CASE NUMBER: 2015-0018 DATE ENTERED: 1/7/2015 TIME ENTERED: 8:26  
WHO TOOK REPORT: GREG STASINOS DATE REPORTED: 1/7/2015 TIME REPORTED: 8:07:00 AM

NRC NUMBER:

CALLER: TY THOMPSON CONFIDENTIAL: N PHONE: 303-286-3447

ORGANIZATION: METRO WASTEWATER RECLAMATION DIST.

STREET: 6450 YORK ST.

CITY: DENVER COUNTY:

STATE: CO ZIP CODE: 80229-

POTENTIALLY RESPONSIBLE PARTY METRO WASTEWATER RECLAMATION DIST.

PRP CONTACT: TY THOMPSON PRP PHONE: 303-286-3447

ADDRESS: 6450 YORK ST. EMAIL: tthompson@mwrddst.co.us

CITY: DENVER COUNTY:

STATE: CO ZIP CODE 80229-

EVENT DATE: 1/6/2015 EVENT TIME: 8:45:00 AM

LOCATION 6450 YORK ST. MILE MARKER:

CITY: DENVER COUNTY: ADAMS

STATE: CO ZIP CODE 80229-

Latitude:

Longitude:

TYPE OF MATERIAL SANITARY SEWER OVERFLOW

MATERIAL1: CENTRATE WATER QUANTITY1: 2500 UNIT1: GALLONS QTY TO WATER1: UNIT1:

MATERIAL2: QUANTITY2: UNIT2: QTY TO WATER2: UNIT2:

MATERIAL3: QUANTITY3: UNIT3: QTY TO WATER3: UNIT3:

SOURCE: F

SOURCE TYPE SANITARY SEWER/LIFT STATION

CAUSE: OTHER

CAUSE INFORMATION: DUE TO A COMBINATION OF BUILDUP OF MATERIALS IN PIPE SYSTEM AND THE INABILITY FOR PERSONNEL TO ISOLATE VALVES AN OVERFLOW OF CENTRATE WATER OCCURRED.

MEDIUM IMPACTED: LAND

☐ Fixed Facility☒ Land☐ Air☐ Groundwater

☐ Surface WaterWaterway Impacted:

NUMBER OF DEATHS:

NUMBER OF INJURIES:

EVACUATION:

NUMBER EVACUATED:

ACTION TAKEN: A SMALL BERM WAS DUG TO CONTAIN THE RELEASED WATER AND A VAC TRUCK WAS USED TO RECOVER AN UNKNOWN AMOUNT OF THE RELEASED MATERIAL. REPAIRS ARE ON-GOING AND A FINAL VOLUME OF RELEASED MATERIAL WILL BE DETERMINED AFTER COMPLETION OF CLEANUP AND REPAIRS.

CDPHE NOTIFIED: WQCD-ANNE MARIE GOOLSBY, MICHELLE THIEBAUD, DAVID KURZ, KELLY JACQUES, GARY HALBERSLEBEN, JORGE DELGADO

COMMENTS: TRI-COUNTY-BRIAN HLAVACEK, MICHELE ASKENAZI, TOM BUTTS, HOPE DALTON

RESPONDERS: DENVER METRO  
WASTEWATER

RESPONDER COMMENTS:

ADDITIONAL COMMENTS:



STATE OF  
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

## Re: CDPHE Spills Tracking System Data Entry Form 2015-0018

1 message

**Delgado - CDPHE, Jorge** <jorge.a.delgado@state.co.us>

Wed, Jan 7, 2015 at 9:24 AM

To: "Stasinos - CDPHE, Greg" <greg.stasinos@state.co.us>

Cc: AnneMarie Goolsby - CDPHE <annemarie.goolsby@state.co.us>, Michelle Thiebaud - CDPHE <michelle.thiebaud@state.co.us>, David Kurz - CDPHE <david.kurz@state.co.us>, Kelly Jacques - CDPHE <kelly.jacques@state.co.us>, Gary Halbersleben - CDPHE <gary.halbersleben@state.co.us>, "Butts, MSc. REHA., RHSP, Tom" <tbutts@tchd.org>, Brian Hlavacek <bhlavacek@tchd.org>, Michele Askenazi <maskenazi@tchd.org>, Hope Dalton <hdalton@tchd.org>, Nedrow Ann <ann.nedrow@state.co.us>, "rrc.r8@epa.gov" <rrc.r8@epa.gov>, "Donn.Tara@epamail.epa.gov" <Donn.Tara@epamail.epa.gov>, "troy.arnold@state.co.us" <troy.arnold@state.co.us>, Bruce Holloman <bruce.holloman@state.co.us>, Cory Stark - CDPS <cory.stark@state.co.us>, David Osborn - CDPS <david.osborn@state.co.us>, "drew.petersen" <drew.petersen@state.co.us>, Kevin Kurelich <kevin.kurelich@state.co.us>, Paul Eller - CDPS <paul.eller@state.co.us>, Riley Frazee - CDPS <riley.frazee@state.co.us>, Trevor Denney - CDPS <trevor.denney@state.co.us>, "Vale Chuck Mr." <Chuck.Vale@state.co.us>

The Denver Field Unit will follow up.

On Wed, Jan 7, 2015 at 8:45 AM, Stasinos - CDPHE, Greg <[greg.stasinos@state.co.us](mailto:greg.stasinos@state.co.us)> wrote:

All

Attached is an incident report that details the release of centrate water at the Metro Wastewater treatment facility in Adams County due to a mechanical failure.

Metro Wastewater is currently performing repairs and cleanup of all impacted areas.

Greg

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**Greg Stasinos**  
Deputy Director



**COLORADO**  
Office of Emergency  
Preparedness & Response  
Department of Public Health & Environment

4300 Cherry Creek Dr. S. Denver, CO. 80246-1530  
[303.692.3023](tel:303.692.3023) | [greg.stasinos@state.co.us](mailto:greg.stasinos@state.co.us)

To report a community public health emergency or hazardous substance spill event, call the 24 hour Incident & Emergency Reporting Line at: [1.877.518.5608](tel:1.877.518.5608).

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**Jorge A. Delgado, PE**  
**Senior Field Engineer**  
Field Services Section



**COLORADO**  
Water Quality Control Division  
Department of Public Health & Environment

P [303.692.3511](tel:303.692.3511) | F [303.782.0390](tel:303.782.0390)



STATE OF  
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

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## Metro Wastewater Incident Number 2015-0018

1 message

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**Delgado - CDPHE, Jorge** <jorge.a.delgado@state.co.us>

Wed, Jan 7, 2015 at 10:48 AM

To: tthompson@mwr.d.dst.co.us

Cc: Michelle Thiebaud - CDPHE <michelle.thiebaud@state.co.us>, David Kurz - CDPHE <david.kurz@state.co.us>, Kelly Jacques - CDPHE <kelly.jacques@state.co.us>

Ty,

Per our phone call please see the attached 5 day incident report form and the incident form.

Please feel free to contact me with any questions that you may have.

—

**Jorge A. Delgado, PE**

**Senior Field Engineer**

Field Services Section



**COLORADO**  
Water Quality Control Division  
Department of Public Health & Environment

P 303.692.3511 | F 303.782.0390

4300 Cherry Creek Drive South, Denver, CO 80246

[jorge.a.delgado@state.co.us](mailto:jorge.a.delgado@state.co.us) | [www.colorado.gov/pacific/cdphe](http://www.colorado.gov/pacific/cdphe)

24-hr Environmental Release/Incident Report Line: [1-877-518-5608](tel:1-877-518-5608)

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### 2 attachments



**CDPHE Spills Tracking System Data Entry Form 2015-0018.pdf**

61K



**5 day Incident\_Spill\_SSO\_Reporting Form (2).doc**

98K

STATE OF  
COLORADO

Thiebaud - CDPHE, Michelle &lt;michelle.thiebaud@state.co.us&gt;

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**Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018**

1 message

**Thompson, Ty** <tthompson@mwr.dst.co.us>

Tue, Jan 13, 2015 at 10:15 AM

To: "michelle.thiebaud@state.co.us" &lt;michelle.thiebaud@state.co.us&gt;

Cc: "Pfeifer, Theresa" &lt;tpfeifer@mwr.dst.co.us&gt;

I apologize, I forgot to include the attachment.

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**From:** Thompson, Ty**Sent:** Tuesday, January 13, 2015 10:14 AM**To:** [michelle.thiebaud@state.co.us](mailto:michelle.thiebaud@state.co.us)**Cc:** Pfeifer, Theresa**Subject:** Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018

Good morning,

Attached is a copy of the Metro Wastewater Reclamation District's Five (5) Day Reporting Form for Incident Number 2015-0018. Please let me know if you have any questions or have problems with the attachment. A hard copy of the form is also being delivered via USPS.

Thank you,

**Ty Thompson**

**Regulatory Compliance Specialist**

**Metro Wastewater Reclamation District**

**6450 York Street**

**Denver, CO 80229**

**Office: (303) 286-3447**

**Email: [tthompson@mwr.dst.co.us](mailto:tthompson@mwr.dst.co.us)**

**5-Day Report\_Centrare 01-12-2015.pdf**

294K



STATE OF  
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

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## Re: Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018

1 message

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**Delgado - CDPHE, Jorge** <jorge.a.delgado@state.co.us>  
To: "Thiebaud - CDPHE, Michelle" <michelle.thiebaud@state.co.us>

Mon, Jan 26, 2015 at 2:38 PM

Yes

The submitted 5 day report provides documentation that the issue has been resolved and no further follow up is required at this time. JAD 01/26/2015

On Mon, Jan 19, 2015 at 2:10 PM, Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us> wrote:  
Does that mean it is ready to close?

On Fri, Jan 16, 2015 at 12:48 PM, Delgado - CDPHE, Jorge <jorge.a.delgado@state.co.us> wrote:  
Michelle,

This is ready to be uploaded to aquifer.

On Wed, Jan 14, 2015 at 5:34 PM, Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us> wrote:  
For your review.

----- Forwarded message -----

From: **Thompson, Ty** <tthompson@mwrddst.co.us>  
Date: Tue, Jan 13, 2015 at 10:15 AM  
Subject: Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018  
To: "michelle.thiebaud@state.co.us" <michelle.thiebaud@state.co.us>  
Cc: "Pfeifer, Theresa" <tpfeifer@mwrddst.co.us>

I apologize, I forgot to include the attachment.

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**From:** Thompson, Ty  
**Sent:** Tuesday, January 13, 2015 10:14 AM  
**To:** michelle.thiebaud@state.co.us  
**Cc:** Pfeifer, Theresa  
**Subject:** Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018

Good morning,

Attached is a copy of the Metro Wastewater Reclamation District's Five (5) Day Reporting Form for Incident Number 2015-0018. Please let me know if you have any questions or have problems with the attachment. A hard copy of the form is also being delivered via USPS.

Thank you,

**Ty Thompson**

**Regulatory Compliance Specialist****Metro Wastewater Reclamation District****6450 York Street****Denver, CO 80229****Office: (303) 286-3447****Email: [tthompson@mwr.dst.co.us](mailto:tthompson@mwr.dst.co.us)**

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**Michelle Thiebaud****Program Assistant**

Field Services Section, Water Quality Control Division

**COLORADO**  
Water Quality Control Division  
Department of Public Health & Environment**(970) 248-7150**

Colorado Department of Public Health and Environment

222 South 6th Street, Room 232 Grand Junction, CO 81501

[michelle.thiebaud@state.co.us](mailto:michelle.thiebaud@state.co.us) | [www.colorado.gov/pacific/cdphe](http://www.colorado.gov/pacific/cdphe)24-hour Environmental Release/Incident Reporting Line: **1-800-877-5186**

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**Jorge A. Delgado, PE****Senior Field Engineer**

Field Services Section

**COLORADO**  
Water Quality Control Division  
Department of Public Health & Environment**P 303.692.3511 | F 303.782.0390**

4300 Cherry Creek Drive South, Denver, CO 80246

[jorge.a.delgado@state.co.us](mailto:jorge.a.delgado@state.co.us) | [www.colorado.gov/pacific/cdphe](http://www.colorado.gov/pacific/cdphe)24-hr Environmental Release/Incident Report Line: **1-877-518-5608**

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**Michelle Thiebaud****Program Assistant**

Field Services Section, Water Quality Control Division

**COLORADO**  
Water Quality Control Division  
Department of Public Health & Environment

1/30/2015

State.co.us Executive Branch Mail - Re: Metro Wastewater Reclamation District 5-Day Report Incident #2015-0018

[\(970\) 248-7150](tel:(970)248-7150)

Colorado Department of Public Health and Environment

222 South 6th Street, Room 232 Grand Junction, CO 81501

[michelle.thiebaud@state.co.us](mailto:michelle.thiebaud@state.co.us) | [www.colorado.gov/pacific/cdphe](http://www.colorado.gov/pacific/cdphe)24-hour Environmental Release/Incident Reporting Line: [1-800-877-5186](tel:1-800-877-5186)

—  
**Jorge A. Delgado, PE**  
**Senior Field Engineer**  
Field Services Section

**COLORADO**

Water Quality Control Division

Department of Public Health &amp; Environment

P [303.692.3511](tel:303.692.3511) | F [303.782.0390](tel:303.782.0390)

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**Colorado Department of Public Health and Environment  
Water Quality Control Division**
**Incident / Spill / SSO Release Reporting  
Five (5) Day Reporting Form**

<input checked="" type="checkbox"/> Field Services - Grand Junction 222 South 6th Street, Room 232 Grand Junction, CO 81501 Telephone: 970-248-7150 Fax: 970-248-7198 Contact email: <a href="mailto:michelle.thiebaud@state.co.us">michelle.thiebaud@state.co.us</a>	<input type="checkbox"/> Field Services - Pueblo 140 Central Main, Suite 300 Pueblo, CO 81003 Telephone: 719-295-5060 Fax: 719-543-8441 Contact email: <a href="mailto:carol.keever@state.co.us">carol.keever@state.co.us</a>	<input type="checkbox"/> Field Services - Denver 4300 Cherry Creek Dr. South, B2 Denver, Colorado 80246-1530 Phone: 303-692-3650 Fax: 303-782-0390 Contact email: <a href="mailto:annemarie.goolsby@state.co.us">annemarie.goolsby@state.co.us</a>
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**Reporting Form: Incident / Spill / Sanitary Sewer Overflow (SSO)**

The Water Quality Control Division distinguishes between reporting requirements for spills that occur with respect to activities that result in a discharge that is authorized under a CDPS permit and those that are not. Reporting and management of spills that occur with respect to activities resulting in a discharge authorized under a permit should be performed in accordance with the specific requirements of that permit. If the permit does not require a 5-day report, please provide the information below in writing. For non-permitted activities, or in the case of an activity where a permit does not address reporting of or response to a given spill, please submit this written response to the Water Quality Control Division within five (5) working days of the date of the event. If sufficient space is not provided, please attach other sheets. Please send the completed form with signature via fax or email to the Division's Field Services office indicated above. If you have any questions please contact the Division's Field Services Engineer at your earliest convenience. The Field Services County list is available at: <http://www.colorado.gov/cdphe/wqcd> (Contacts, Inspection services contacts, then Field services contacts).

Prior to the five (5) working day deadline, you may request an extension to submit the report if sample analyses justifiably are going to require more time to analyze than the reporting time allows. To request an extension please send an email to the Division's Field Services Engineer for the County that the incident / spill / SSO took place or to the email listed above.

Incident Background Information			
County	Adams		
Incident / Spill Number (Division provided) and Spill Date	2015-0018 01/06/2015		
Type of Incident / Spill / SSO (check one)	<input type="checkbox"/> Sanitary Sewer Overflow/Reuse	<input type="checkbox"/> Petroleum Product	<input type="checkbox"/> Chemical
	<input type="checkbox"/> WW Treatment Plant Bypass or Upset (through an authorized outfall point)	<input type="checkbox"/> Combined Sewer Overflow	<input type="checkbox"/> Biosolids
	<input type="checkbox"/> Unplanned potable water release (e.g., water line break)		<input checked="" type="checkbox"/> Other
Contact Information			
Potentially Responsible Party (PRP): Contact Name	Theresa Pfeifer	Potentially Responsible Party (PRP): Company / Agency	Metro Wastewater Reclamation District
PRP Phone / Fax	Phone: (303) 286-3340 Fax: (303) 286-3035	PRP email address	tpfeifer@mwrdd.dst.co.us
CDPS Permit Number:	CO0026638	CDPS Permittee Name:	Metro Wastewater Reclamation District
Reported by (if not PRP): Contact Name	Ty Thompson	Reported by (if not PRP): Company / Agency	Metro Wastewater Reclamation District
Reported by (if not PRP): Phone / Fax	Phone: (303) 286-3447 Fax: (303) 286-3035	Reported by (if not PRP): email address	tthompson@mwrdd.dst.co.us
Incident Information: Please provide the following information.			
A	Incident / spill / SSO source, cause, and event description. Response: At approximately 8:45 am on January 6, 2015, during routine maintenance activities, centrate (liquid stream recovered during solids dewatering process) was released from the access vault located east of the Operations Services Building (OSB). The cause of the release was struvite (magnesium, ammonium, phosphate crystals) buildup (a common issue at wastewater treatment plants) which prevented the isolation valves from seating properly, maintaining flow and pressure in the line. When a blind flange was removed in the access vault, centrate was released to the access vault. Metro District staff worked to vacuum up the material entering the vault but it eventually overtopped the vault, and then flowed across the ground and pavement where it reached two separate catch basins that ultimately discharged to the headworks where it was treated through the Robert W. Hite Treatment Facility (RWHTF). However, a small amount (approximately 50 gallons) reached the ground and was absorbed by the soil. Due to underground utilities in the area, the District was not able to dig to dry soil. A pipe wrench was used to completely close the isolation valves and by 9:30 am the line was fully isolated and the release stopped.		



**Colorado Department of Public Health and Environment  
Water Quality Control Division**
**Incident / Spill / SSO Release Reporting  
Five (5) Day Reporting Form**

B	Material released (e.g., untreated wastewater, biosolids, specific chemicals or products) and estimated total quantity (e.g., gallons). Please attach MSDS for any and all chemicals or products involved in spill or release.
	Response: Approximately 50 gallons of centrate was released to the soil through the weed barrier/landscape rock that surrounds the access vault. The remaining volume (approximately 2,950 gallons) released was either recovered by the vacuum truck or discharged to the headworks of the RWHTF.
C	Actual or estimated dates and times of the event, including duration and actual date and time spill was fully controlled/stopped. If release is still occurring, the date and time the release is expected to be stopped.
	Response: On January 6, 2015, at 8:45 am the centrate began to leak into the access vault located east of the OSB. The leak continued until the isolation valves were forcefully seated. The leak stopped at 9:30 am the same day.
D	Location of release (e.g., address, lat/long, road name and mile marker).
	Response: Metro Wastewater Reclamation District Robert W. Hite Treatment Facility located at 6450 York Street, Denver, CO.
E	Describe measures taken or planned to contain, reduce, and clean up spill or release.
	Response: A majority of the release (approximately 2,950 of 3,000 gallons) was recovered from the access vault and surrounding landscape with a vacuum truck or contained within two catch basins that ultimately discharged to the headworks of the RWHTF. The concrete surfaces were washed down to the storm sewer that discharges to the headworks of the RWHTF and several personnel vehicles splashed with centrate were cleaned at the carwash on the plant site, which discharges to the headworks. The remaining estimated 50 gallons impacted the soil through the weed barrier/landscape rock that surrounds the access vault. Due to the presence of multiple pipes under the impacted area, excavation to dry soil was not possible.
F	Steps taken or planned to prevent reoccurrence of the event.
	Response: A lockout/tagout procedure specific to routine centrate line cleanout is being developed to include locations to check for presence of flow and pressure in the lockout/tagout steps. A review with Treatment and Maintenance staff on checking all points for presence of flow and pressure prior to opening a line is underway. Blind flanges at the access vault will be modified to allow for safe and controlled check of flow and pressure prior to blind flange removal.
<b>Incident Impact to State Waters (As defined in § 25-8-103(19), C.R.S.).</b> <i>Examples of State waters include: perennial streams, intermittent or ephemeral gulches, ditches, ponds, lakes, reservoirs, irrigation canals, wetlands, stormwater conveyances (when they discharge to surface water), and groundwater.</i>	
G	Did flow or materials reach surface waters of the State? If so, please describe the path of flow to State waters and which State water body was impacted (e.g., spill impacted a storm drain which was directly connected to Cherry Creek, Colorado River, etc.). If yes, what quantity of material (e.g., gallons) reached the surface water and what was the resulting impact?
	Response: No
H	Were any water quality samples or other samples taken? If so, please describe sampling process and attached results.
	Response: No
I	Did flow or materials reach groundwater of the State? If so, please describe the path of flow to State waters and which State water body impacted (e.g., spill soaked into ground and wet soil was not excavated). If yes, what quantity of material (e.g., gallons) reached the ground or groundwater and what was the resulting impact?
	Response: The Metro District estimates that 50 gallons of centrate was absorbed by the soil and, therefore, potentially could reach groundwater. There was no impact to the groundwater, human health, or the environment.
J	Did the incident include any of the following (check if yes)? If so, please include additional details below.
	<input type="checkbox"/> Toxic Chemical Release <input type="checkbox"/> Fish Kill
	Response: N/A

**Colorado Department of Public Health and Environment  
Water Quality Control Division**

**Incident / Spill / SSO Release Reporting  
Five (5) Day Reporting Form**

**Incident Impact to Areas or Water Users**

**K** Did the incident / spill / SSO impact any areas (e.g., public use areas including parks or swim beaches) or downstream water users (e.g., public water suppliers, irrigation diversions)? Please list impacted areas and/or users, their location, and potential impacts.

Response: No

**L** How were the impacted area users (e.g., park patrons) and downstream water users notified (e.g., signs posted, list downstream users contact via phone).

Response: N/A

I hereby certify that the information presented above is accurate and complete.

Date	Company	Typed Name and Title	Signature
January 12, 2015	Metro Wastewater Reclamation District	Catherine R. Gerali, District Manager	